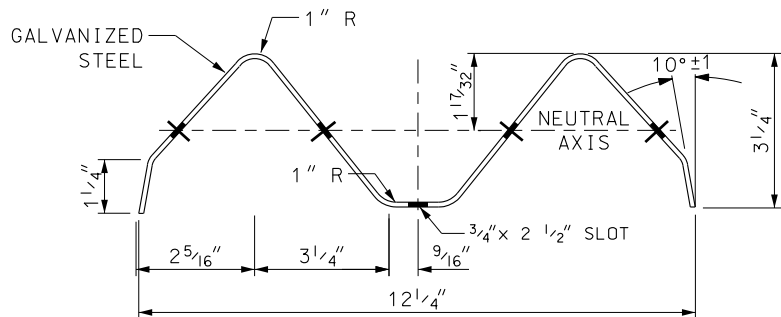
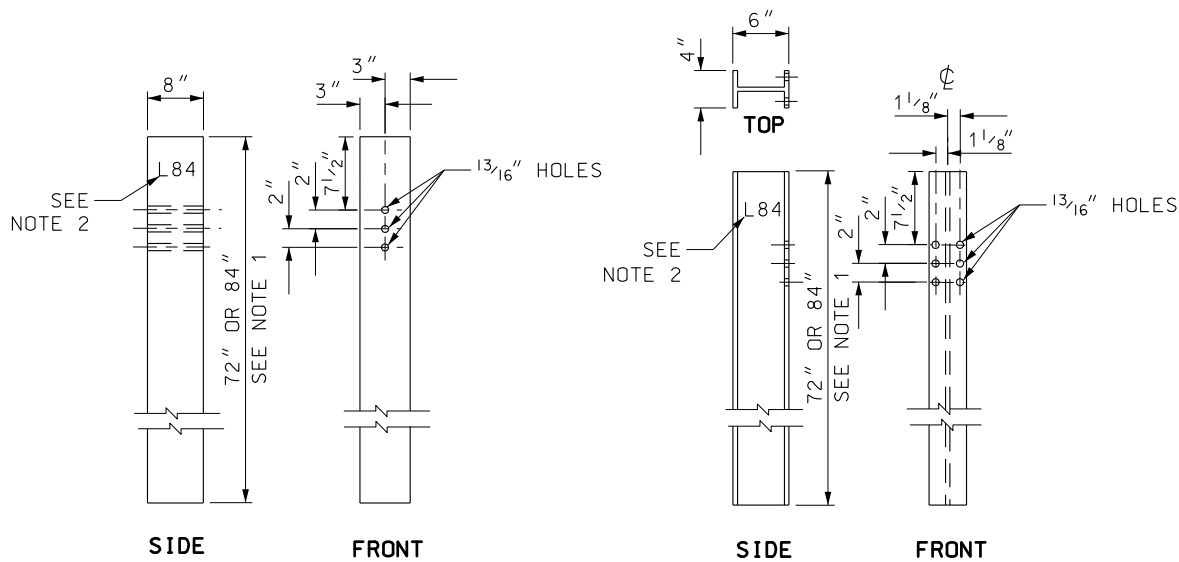


STANDARD GUARDRAIL PANELS

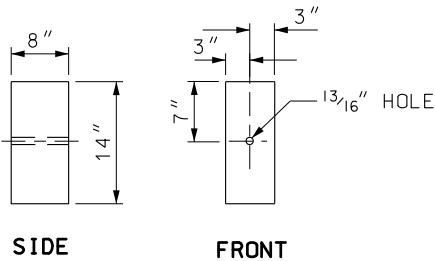


SECTION THRU RAIL ELEMENT

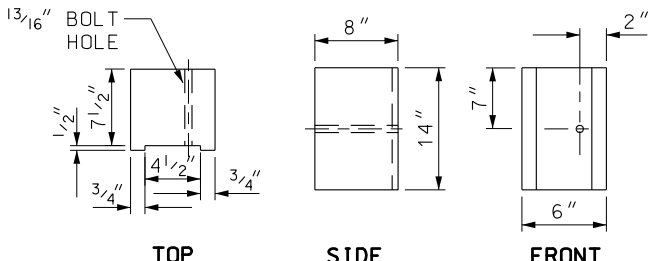


6" X 8" WOOD POST (SEE NOTE 1)

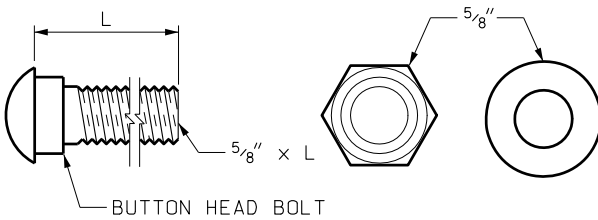
W6 X 8.5 STEEL POST



6" X 8" WOOD BLOCK

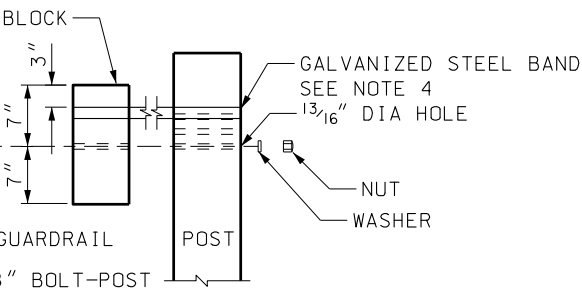


6" X 8" NOTCHED WOOD BLOCK (SEE NOTE 3)

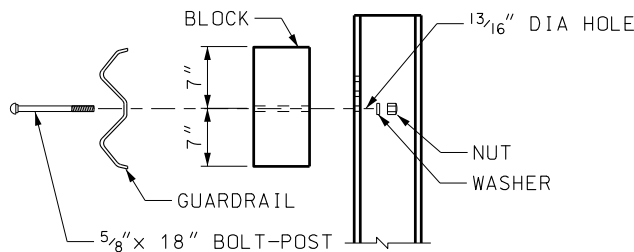


GALVANIZED BOLTS, NUTS, WASHERS

SPLICE BOLTS (WASHER NOT REQ'D.)  
STEEL BOLT W/ WOOD BLOCK  
WOOD POST W/ WOOD BLOCK  
WOOD POST W/ WOOD BLOCK (MEDIAN)



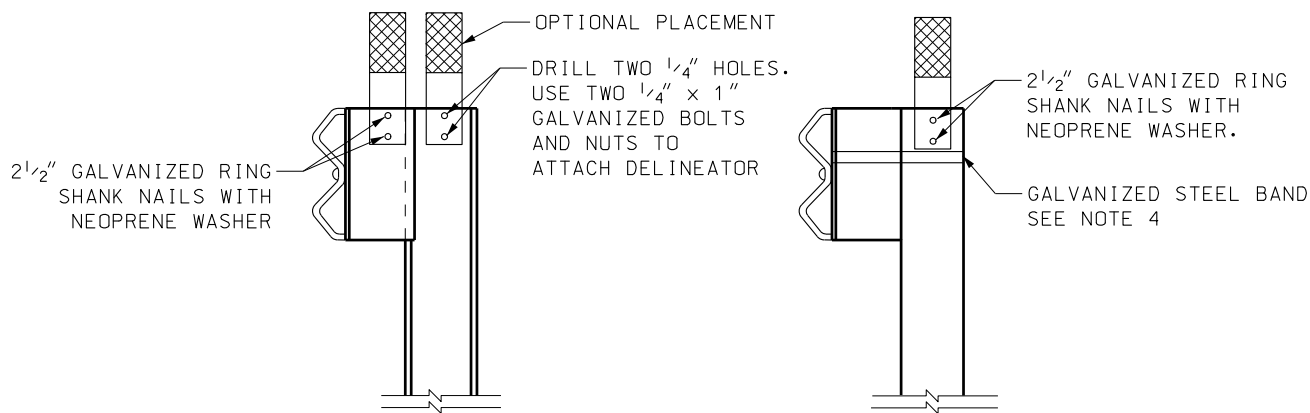
WOOD POST TO RAIL TYPICAL  
USE BOTTOM HOLE FOR INITIAL INSTALLATION



STEEL POST TO RAIL TYPICAL  
USE BOTTOM HOLE FOR INITIAL INSTALLATION

NOTES:

- SEE INSTALLATION DETAIL STD DWG BA 4E FOR POST LENGTH REQUIREMENTS.
- 84" POST MARKING: WOOD POST, BRAND POST WITH 1 1/2" x 2" MARKING L84, STEEL POST STAMP POST WITH 1 1/2" x 2" MARKING L84.
- DO NOT USE WASHERS ON RAIL FACE OR SPLICE CONNECTION.
- BAND WOOD BLOCKS TO WOOD POSTS WITH 1/2" STEEL GALVANIZED BAND.
- A COMPOSITE OR PLASTIC BLOCK CAN BE SUBSTITUTED FOR THE NOTCHED WOOD BLOCK ON STEEL POST INSTALLATION. NCHRP-350 COMPLIANCE REQUIRED.



DELINEATOR DETAIL  
STEEL POST W/WOOD  
OR COMPOSITE BLOCK

DELINEATOR DETAIL  
WOOD POST W/WOOD BLOCK

SEE STD DWG GW 9 FOR HARDWARE  
AND GW 10 FOR PLACEMENT

SEE STD DWG GW 9 FOR HARDWARE  
AND GW 10 FOR PLACEMENT

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION  
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL

CHAIRMAN STANDARDS COMMITTEE

DEPUTY DIRECTOR

W-BEAM GUARDRAIL  
HARDWARE

STD DWG  
BA 4A

STANDARD DRAWING TITLE

REMARKS

NO. DATE APPR.

JAN.01.2008 DATE

JAN.01.2008 DATE